

SEQUENCE LISTING

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<110> Summar, Marshall L
      Christman, Brian
5      Barr, Frederick E

<120> THERAPEUTIC METHODS EMPLOYING NITRIC OXIDE PRECURSORS

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55	Glu	Val	His	Leu	Val	Pro	Trp	Asn	His	Asp	Phe	Thr	Lys	Met	Glu	Tyr	245	250	255	
60	Asp	Gly	Ile	Leu	Ile	Ala	Gly	Gly	Pro	Gly	Asn	Pro	Ala	Leu	Ala	Glu	260	265	270	
65	Pro	Leu	Ile	Gln	Asn	Val	Arg	Lys	Ile	Leu	Glu	Ser	Asp	Arg	Lys	Glu	275	280	285	
	Pro	Leu	Phe	Gly	Ile	Ser	Thr	Gly	Asn	Leu	Ile	Thr	Gly	Leu	Ala	Ala	290	295	300	
	Gly	Ala	Lys	Thr	Tyr	Lys	Met	Ser	Met	Ala	Asn	Arg	Gly	Gln	Asn	Gln	305	310	315	320
	Pro	Val	Leu	Asn	Ile	Thr	Asn	Lys	Gln	Ala	Phe	Ile	Thr	Ala	Gln	Asn	325	330	335	

	His Gly Tyr	Ala Leu Asp Asn Thr Leu Pro Ala Gly Trp Lys Pro Leu	340	345	350
5	Phe Val	Asn Val Asn Asp Gln Thr Asn Glu Gly Ile Met His Glu Ser	355	360	365
10	Lys Pro	Phe Phe Ala Val Gln Phe His Pro Glu Val Thr Pro Gly Pro	370	375	380
15	Ile Asp Thr Glu Tyr	Leu Phe Asp Ser Phe Phe Ser Leu Ile Lys Lys	385	390	395
	Gly Lys Ala Thr	Thr Ile Thr Ser Val Leu Pro Lys Pro Ala Leu Val	405	410	415
20	Ala Ser Arg	Val Glu Val Ser Lys Val Leu Ile Leu Gly Ser Gly Gly	420	425	430
25	Leu Ser Ile Gly Gln Ala Gly Glu Phe Asp Tyr Ser Gly Ser Gln Ala		435	440	445
30	Val Lys Ala Met Lys Glu Glu Asn Val Lys Thr Val Leu Met Asn Pro		450	455	460
35	Asn Ile Ala Ser Val Gln Thr Asn Glu Val Gly Leu Lys Gln Ala Asp		465	470	475
	Thr Val Tyr Phe Leu Pro Ile Thr Pro Gln Phe Val Thr Glu Val Ile		485	490	495
40	Lys Ala Glu Gln Pro Asp Gly Leu Ile Leu Gly Met Gly Gly Gln Thr		500	505	510
45	Ala Leu Asn Cys Gly Val Glu Leu Phe Lys Arg Gly Val Leu Lys Glu		515	520	525
50	Tyr Gly Val Lys Val Leu Gly Thr Ser Val Glu Ser Ile Met Ala Thr		530	535	540
55	Glu Asp Arg Gln Leu Phe Ser Asp Lys Leu Asn Glu Ile Asn Glu Lys		545	550	555
	Ile Ala Pro Ser Phe Ala Val Glu Ser Ile Glu Asp Ala Leu Lys Ala		565	570	575
60	Ala Asp Thr Ile Gly Tyr Pro Val Met Ile Arg Ser Ala Tyr Ala Leu		580	585	590
65	Gly Gly Leu Gly Ser Gly Ile Cys Pro Asn Arg Glu Thr Leu Met Asp		595	600	605

	Leu	Ser	Thr	Lys	Ala	Phe	Ala	Met	Thr	Asn	Gln	Ile	Leu	Val	Glu	Lys	
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	785					790					795				800		
55	Ile	Gly	Arg	Thr	Phe	Glu	Glu	Ser	Phe	Gln	Lys	Ala	Leu	Arg	Met	Cys	
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5	Glu Ser Met Thr Glu Glu Thr Leu Lys Arg Ala Lys Glu Ile Gly Phe	900	905	910
10	Ser Asp Lys Gln Ile Ser Lys Cys Leu Gly Leu Thr Glu Ala Gln Thr	915	920	925
15	Arg Glu Leu Arg Leu Lys Lys Asn Ile His Pro Trp Val Lys Gln Ile	930	935	940
20	Asp Thr Leu Ala Ala Glu Tyr Pro Ser Val Thr Asn Tyr Leu Tyr Val	945	950	955
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	Thr Tyr Asn Gly Gln Glu His Asp Val Asn Phe Asp Asp His Gly Met	965	970	975
25	Met Val Leu Gly Cys Gly Pro Tyr His Ile Gly Ser Ser Val Glu Phe	980	985	990
30	Asp Trp Cys Ala Val Ser Ser Ile Arg Thr Leu Arg Gln Leu Gly Lys	995	1000	1005
35	Lys Thr Val Val Val Asn Cys Asn Pro Glu Thr Val Ser Thr Asp	1010	1015	1020
	Phe Asp Glu Cys Asp Lys Leu Tyr Phe Glu Glu Leu Ser Leu Glu	1025	1030	1035
40	Arg Ile Leu Asp Ile Tyr His Gln Glu Ala Cys Gly Gly Cys Ile	1040	1045	1050
45	Ile Ser Val Gly Gly Gln Ile Pro Asn Asn Leu Ala Val Pro Leu	1055	1060	1065
50	Tyr Lys Asn Gly Val Lys Ile Met Gly Thr Ser Pro Leu Gln Ile	1070	1075	1080
55	Asp Arg Ala Glu Asp Arg Ser Ile Phe Ser Ala Val Leu Asp Glu	1085	1090	1095
	Leu Lys Val Ala Gln Ala Pro Trp Lys Ala Val Asn Thr Leu Asn	1100	1105	1110
60	Glu Ala Leu Glu Phe Ala Lys Ser Val Asp Tyr Pro Cys Leu Leu	1115	1120	1125
65	Arg Pro Ser Tyr Val Leu Ser Gly Ser Ala Met Asn Val Val Phe	1130	1135	1140

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5	Ser	Gln	Glu	His	Pro	Val	Val	Leu	Thr	Lys	Phe	Val	Glu	Gly	Ala	
	1160						1165					1170				
10	Arg	Glu	Val	Glu	Met	Asp	Ala	Val	Gly	Lys	Asp	Gly	Arg	Val	Ile	
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	1310						1315					1320				
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	1325						1330					1335				
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	1355						1360					1365				
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	1370						1375					1380				
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	1415		1420		1425		
10	Asp Gly	Ser Ile Asp Leu	Val	Ile Asn Leu Pro	Asn	Asn Asn Thr	
	1430		1435		1440		
15	Lys Phe	Val His Asp Asn	Tyr	Val Ile Arg Arg	Thr	Ala Val Asp	
	1445		1450		1455		
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25	Ala Glu	Ala Val Gln Lys	Ser	Arg Lys Val Asp	Ser	Lys Ser Leu	
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	Met Thr Arg Ile Leu Thr Ala Phe Lys Val Val Arg Thr Leu Lys						
	1 5 10 15						
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	Thr Gly Phe Gly Phe Thr Asn Val Thr Ala His Gln Lys Trp Lys Phe						
	20 25 30						
55	tca aga cct ggc atc agg ctc ctt tct gtc aag gca cag aca gca cac					264	
	Ser Arg Pro Gly Ile Arg Leu Leu Ser Val Lys Ala Gln Thr Ala His						
	35 40 45						
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	Ile Val Leu Glu Asp Gly Thr Lys Met Lys Gly Tyr Ser Phe Gly His						
	50 55 60						
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	Pro Ser Ser Val Ala Gly Glu Val Val Phe Asn Thr Gly Leu Gly Gly						
	65 70 75						
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	Tyr Pro Glu Ala Ile Thr Asp Pro Ala Tyr Lys Gly Gln Ile Leu Thr						
	80 85 90 95						

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	Leu Asp Glu Leu Gly Leu Ser Lys Tyr Leu Glu Ser Asn Gly Ile Lys	
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	195 200 205	
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	Asp Cys Gly Ile Lys Asn Asn Val Ile Arg Leu Leu Val Lys Arg Gly	
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	Ala Glu Val His Leu Val Pro Trp Asn His Asp Phe Thr Lys Met Glu	
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	355 360 365	

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	Ala Val Lys Ala Met Lys Glu Glu Asn Val Lys Thr Val Leu Met Asn	
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		Gly Ala Ile	Glu Lys Val Lys Asp	Ala Thr Arg Lys Ile	Ala Lys	
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		Gly Asn Asp	Val Leu Val Ile Glu	Cys Asn Leu Arg Ala	Ser Arg	
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		tcc ttc ccc	ttt gtt tcc aag act	ctt ggg gtt gac ttc	att gat	3954
		Ser Phe Pro	Phe Val Ser Lys Thr	Leu Gly Val Asp Phe	Ile Asp	
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65		gtg gcc acc	aag gtg atg att gga	gag aat gtt gat gag	aaa cat	3999
		Val Ala Thr	Lys Val Met Ile Gly	Glu Asn Val Asp Glu	Lys His	
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5	att aag gct	ccc atg ttt	tcc tgg	ccc cgg ttg agg	gat gct gac	4089	
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	Pro Ile Leu	Arg Cys Glu	Met Ala	Ser Thr Gly Glu	Val Ala Cys		
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